

FIG. 4

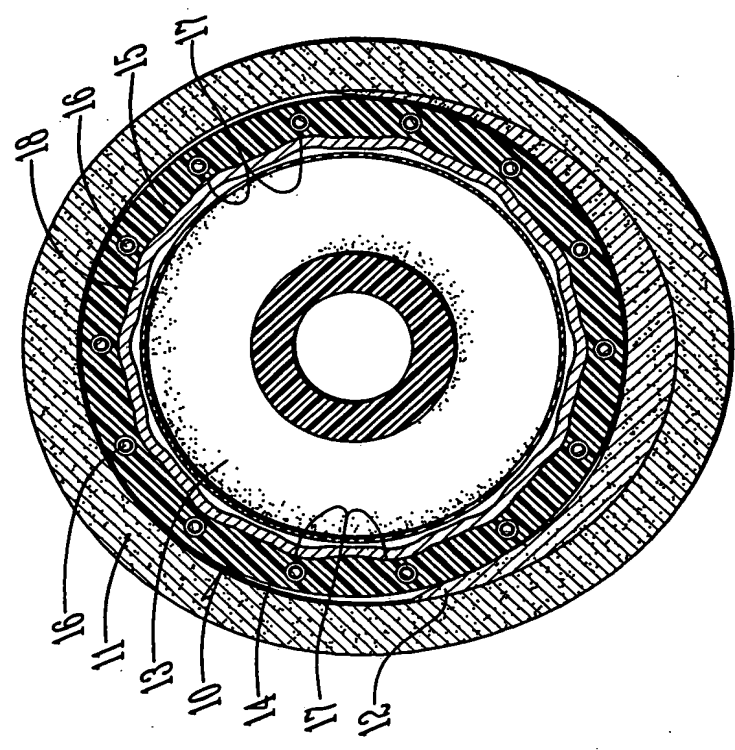
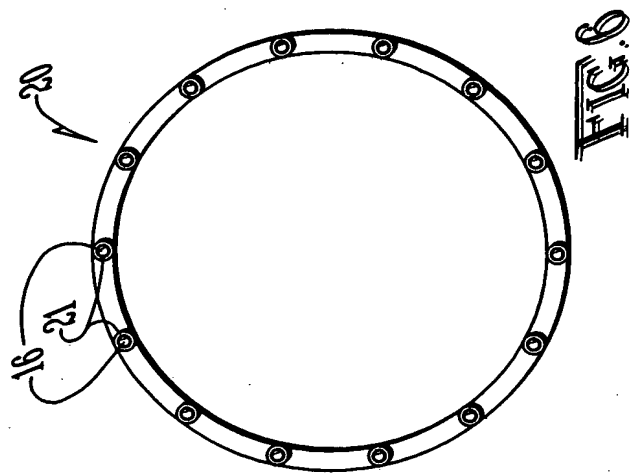
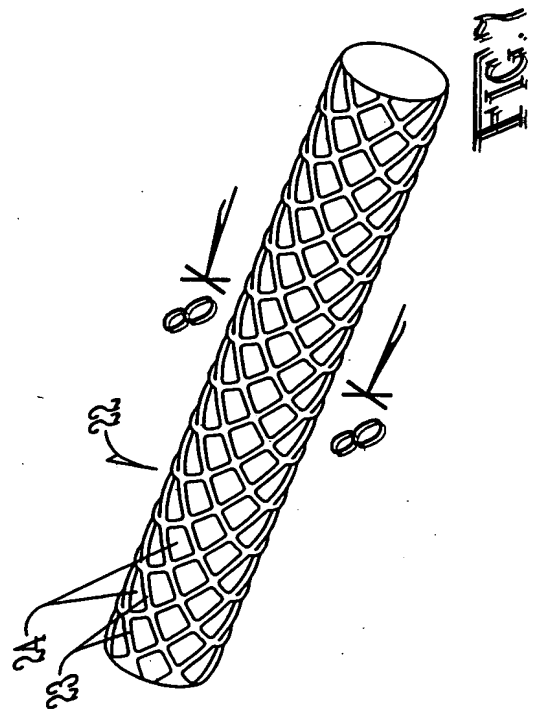
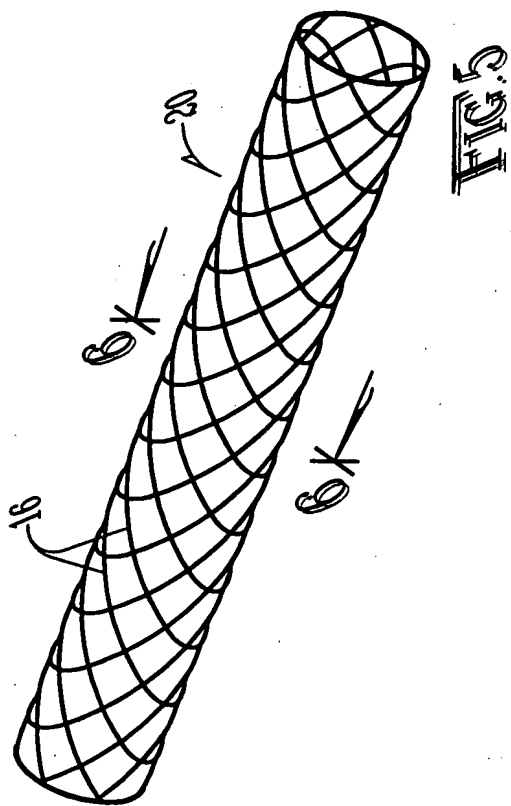
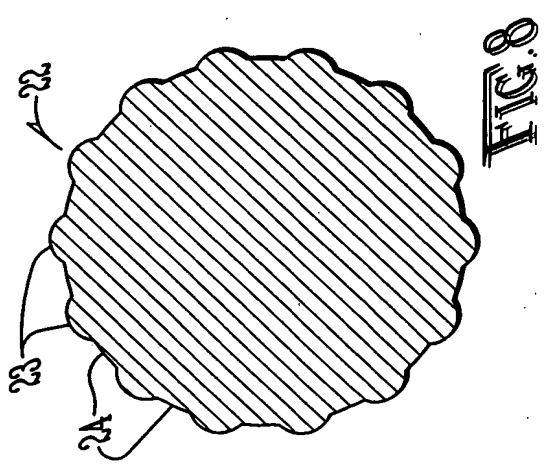
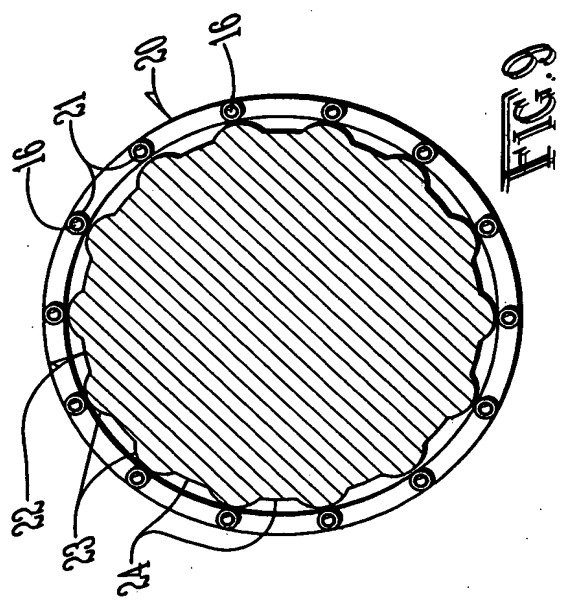
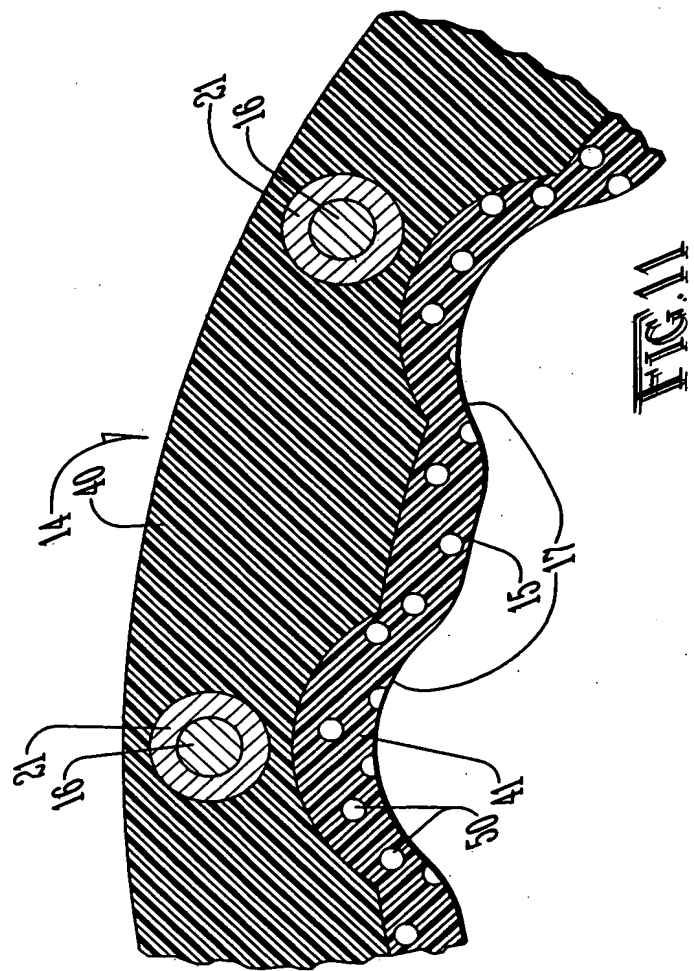
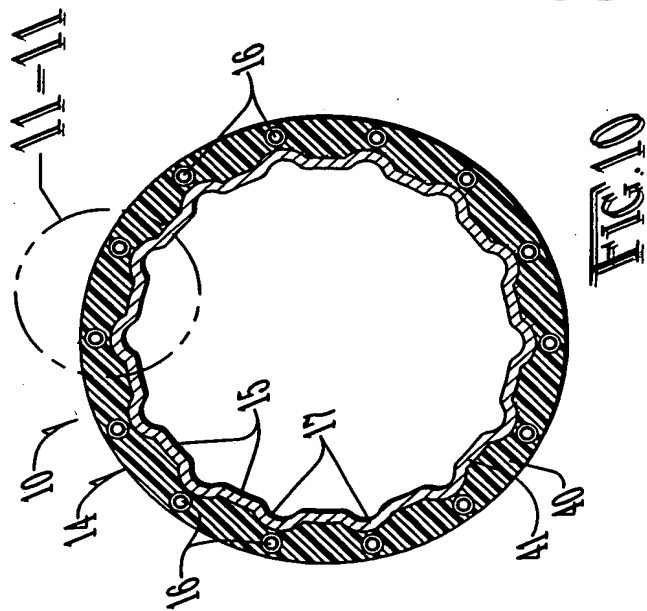


FIG. 3







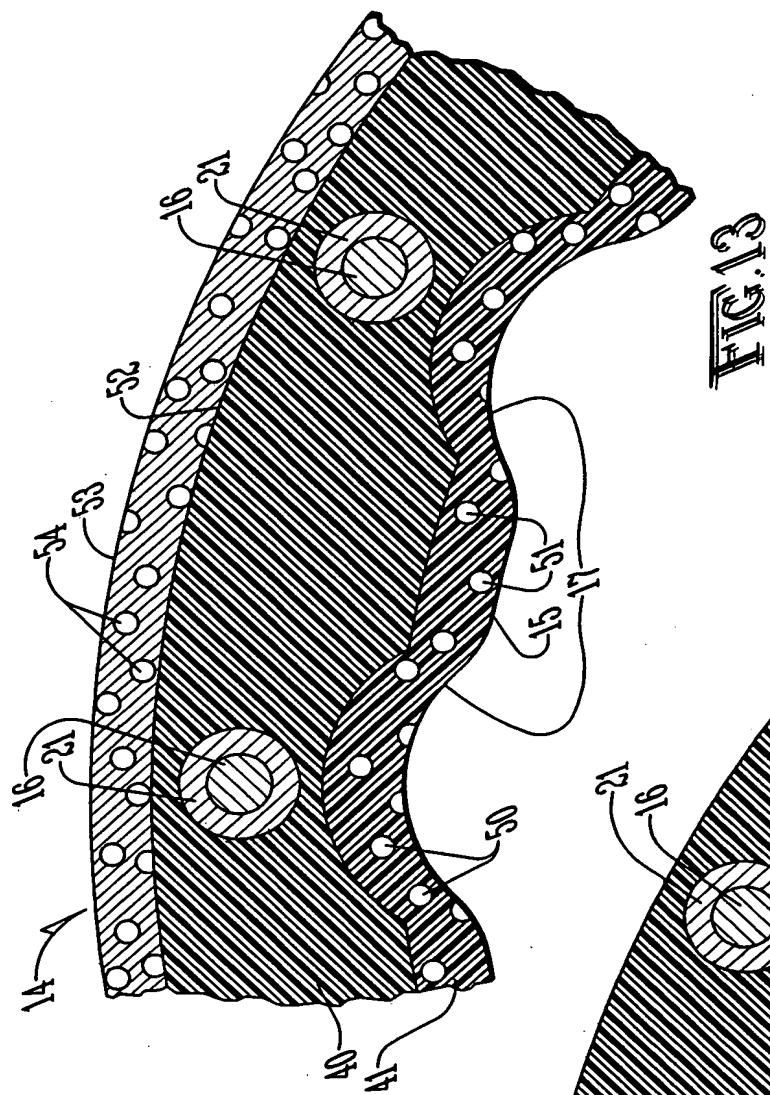


FIG. 12

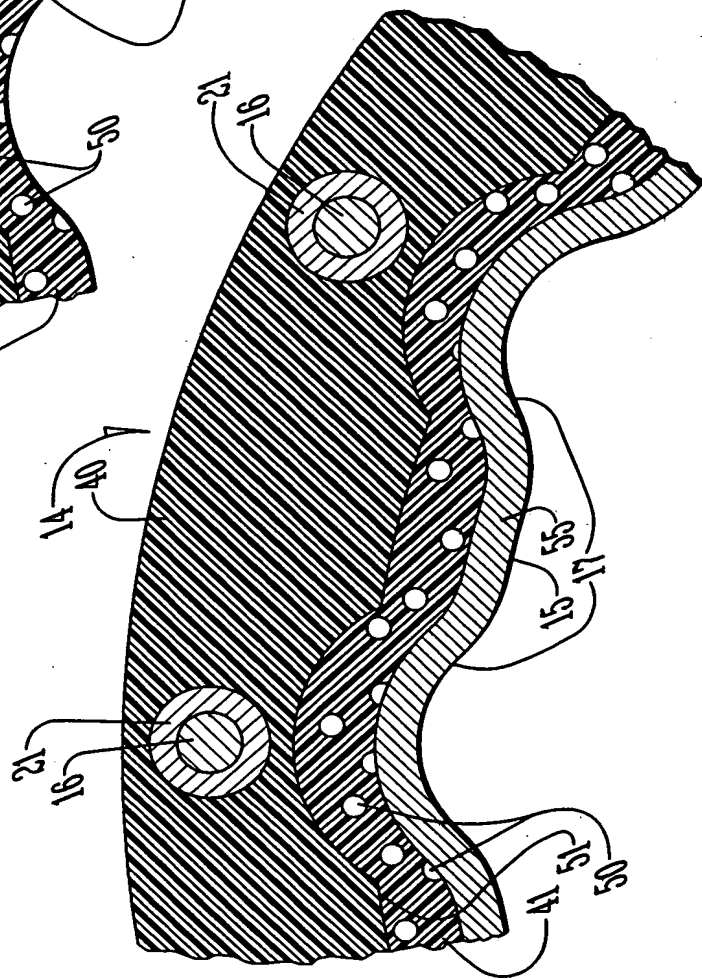


FIG. 13

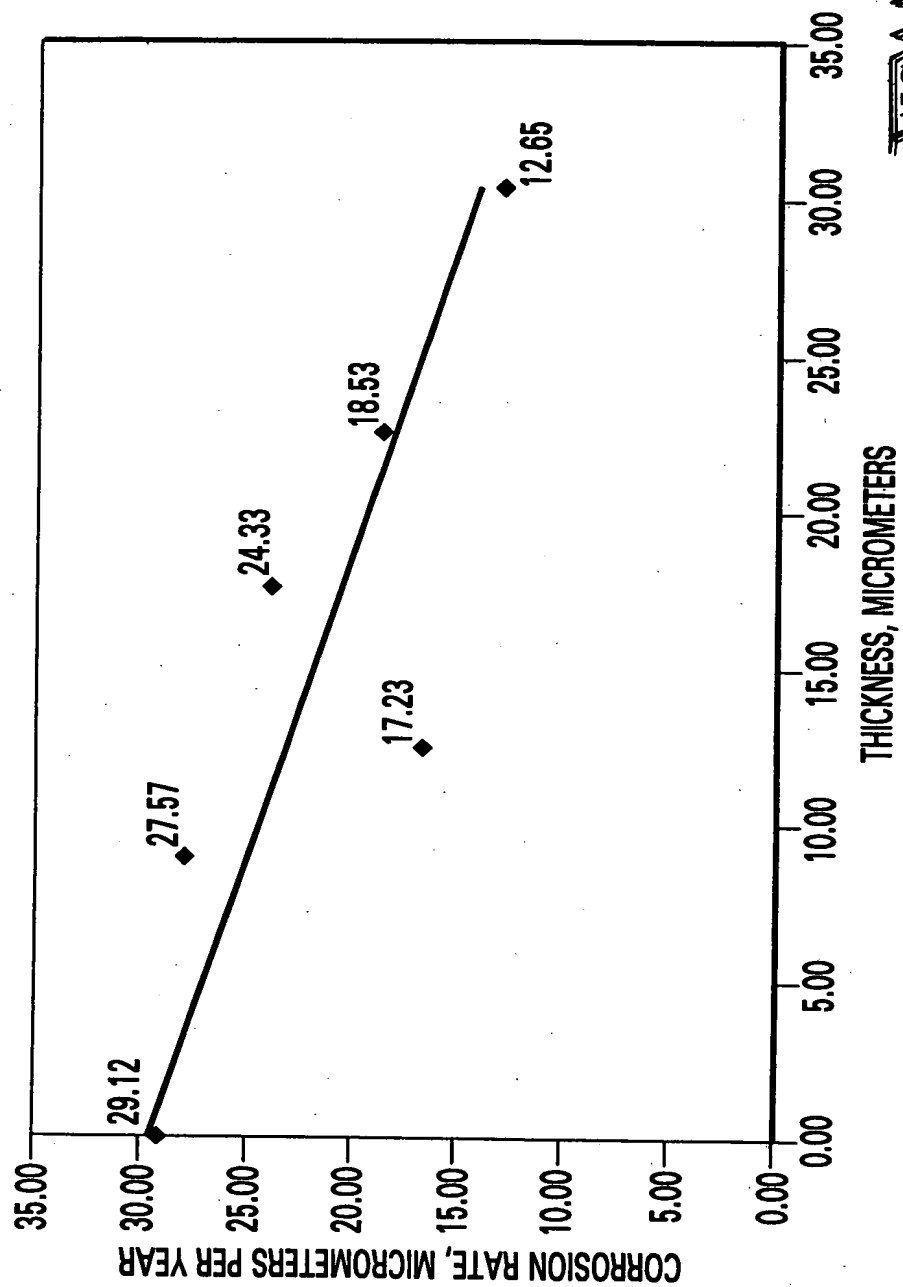


FIG. 14

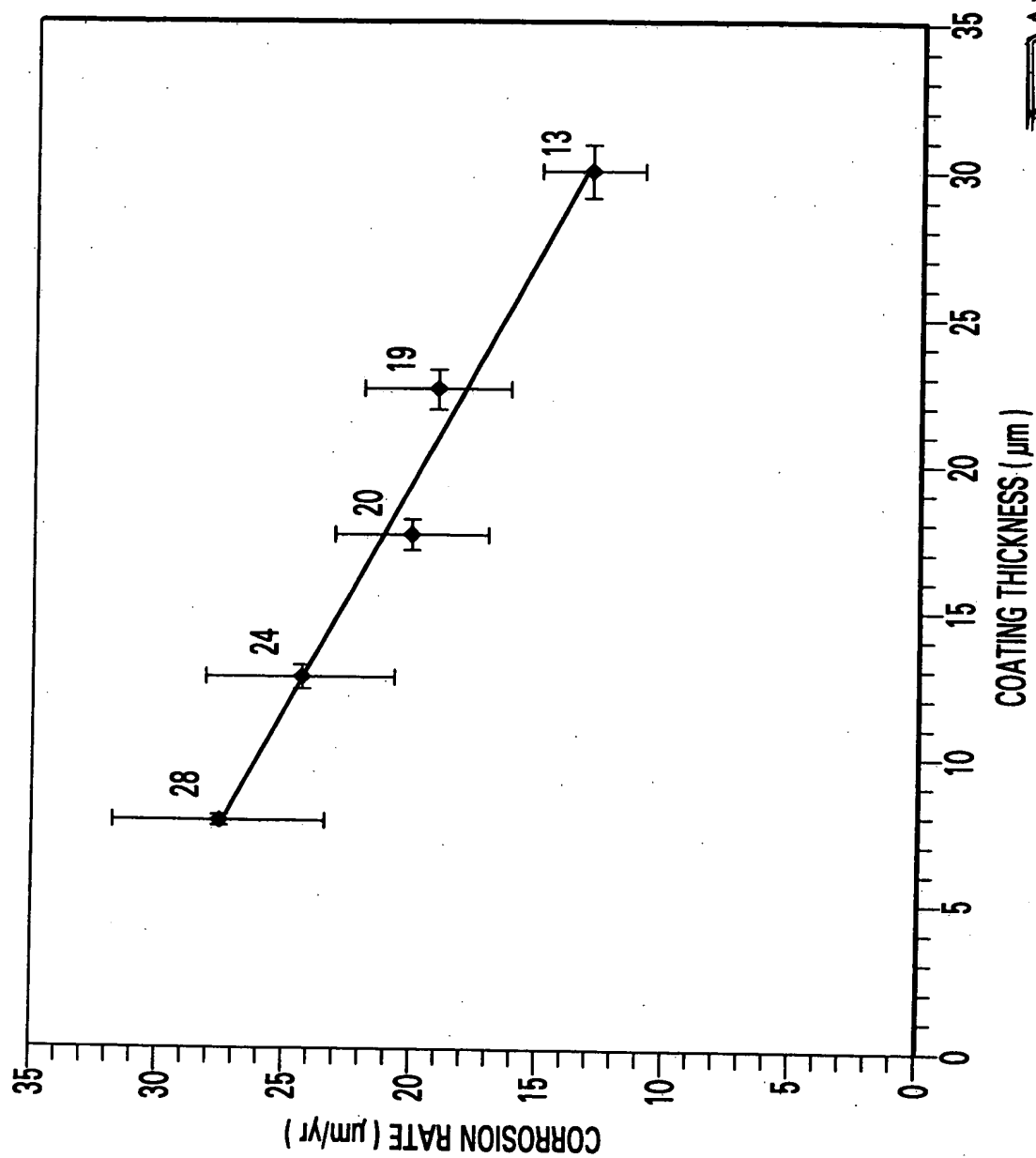


FIG. 15A



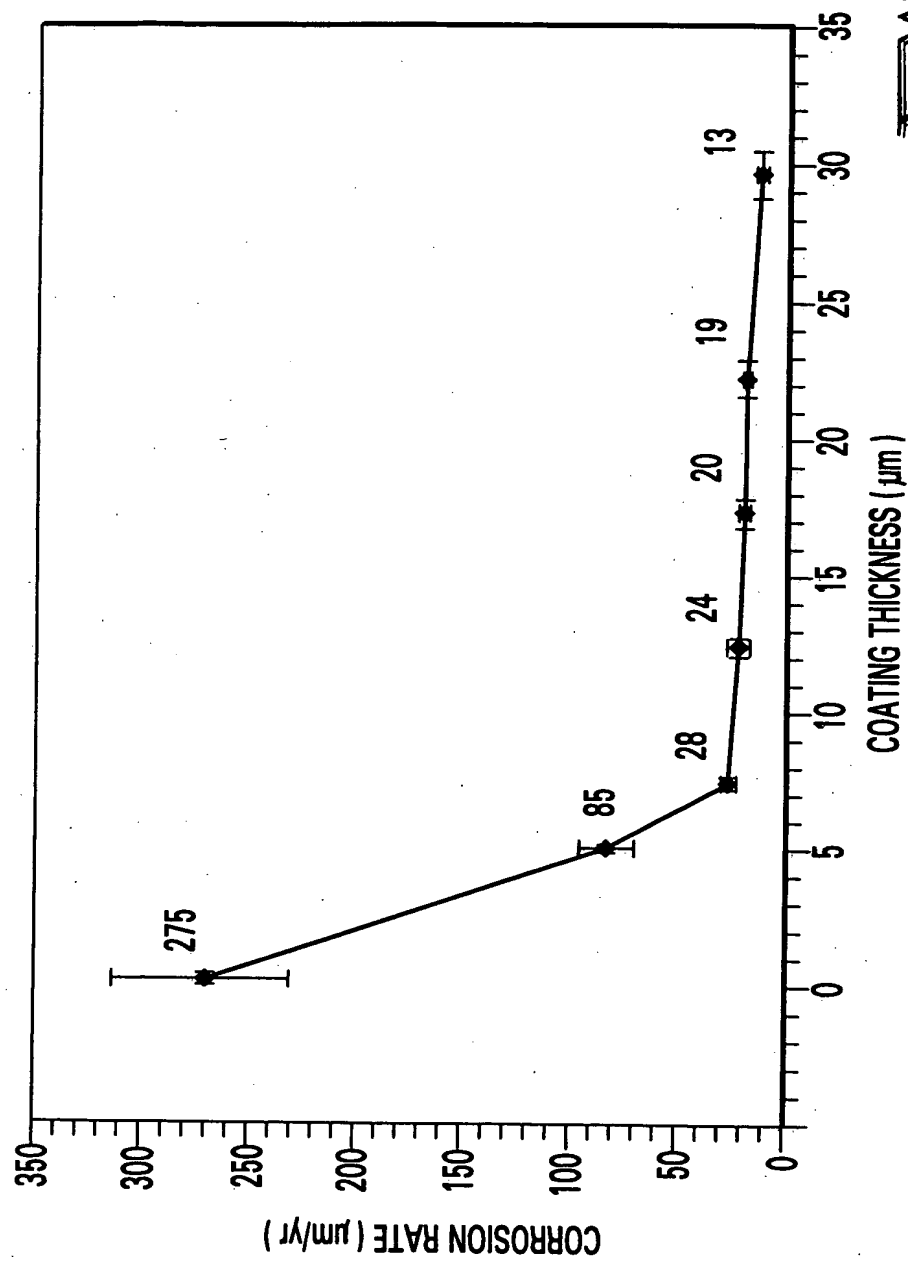


FIG. 15B

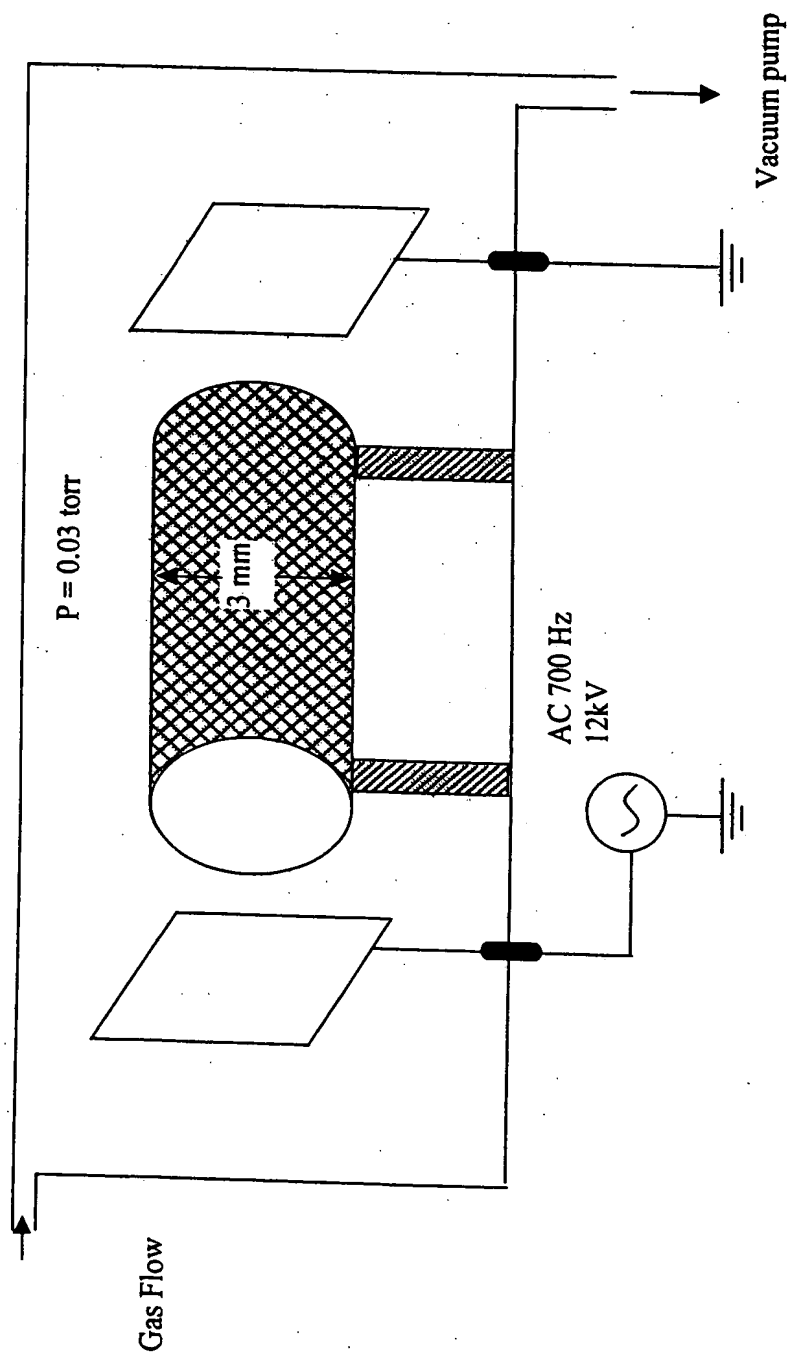
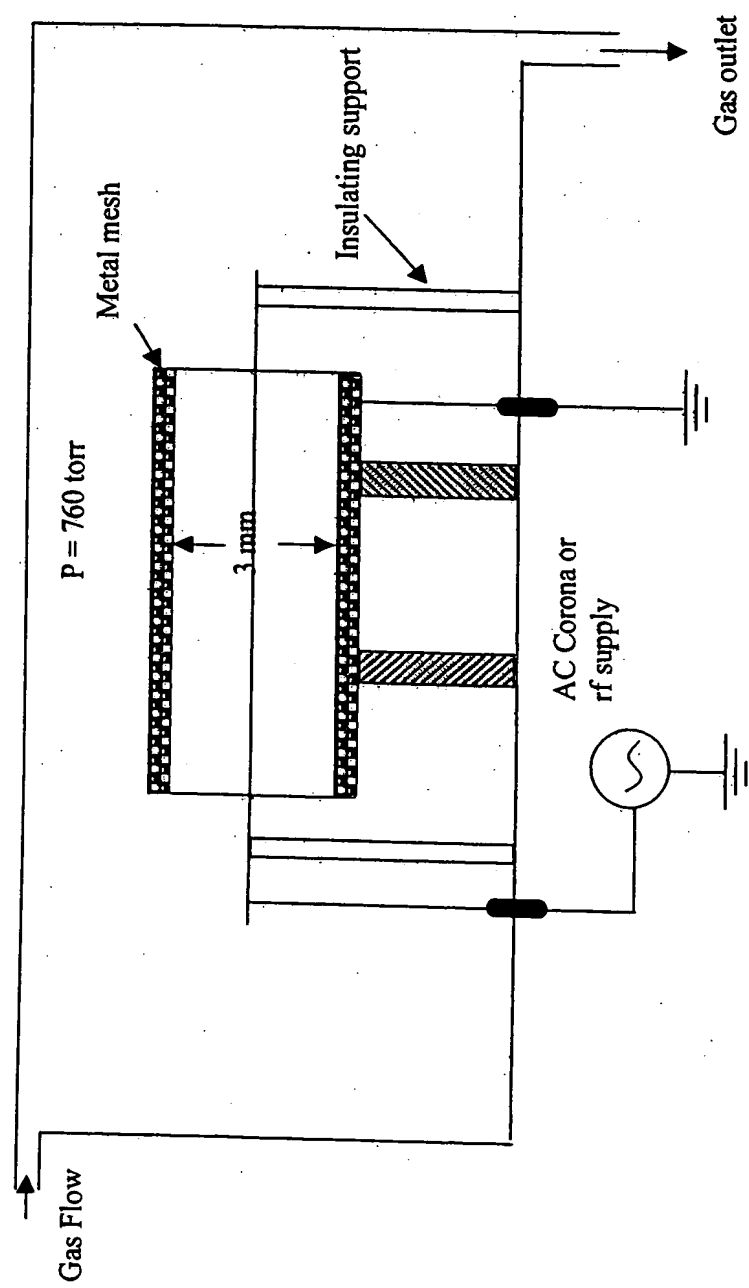
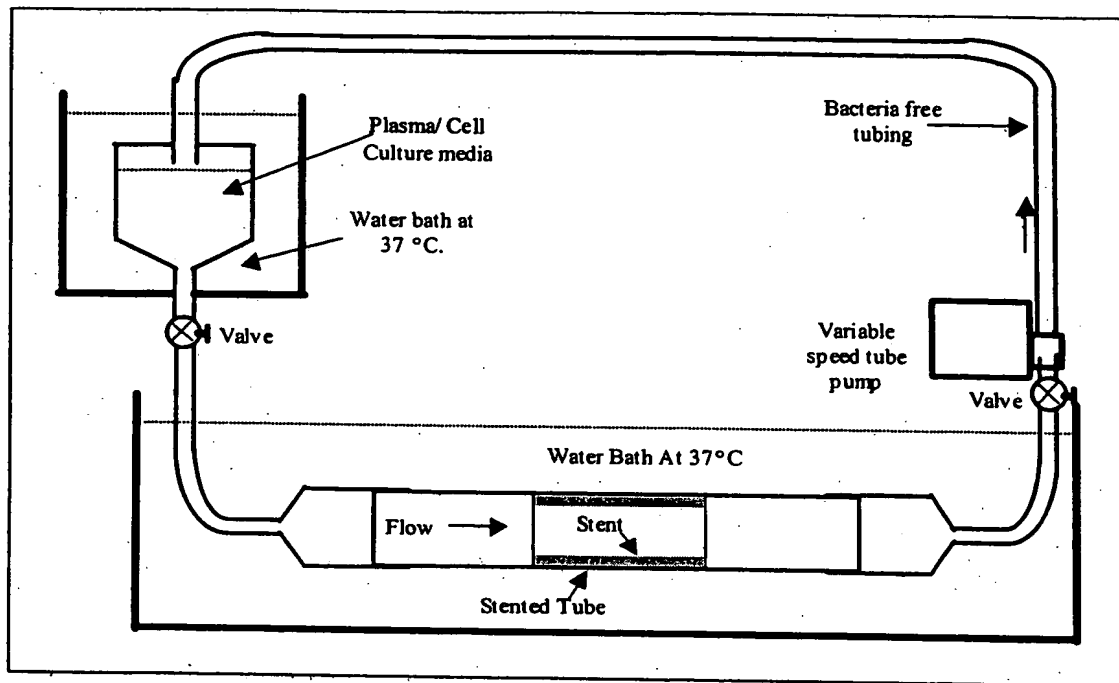


Fig. 16 A. Low-pressure plasma reactor for surface modification of stent metal mesh



**Fig. 16 B. Atmospheric pressure plasma reactor for surface modification of inner lining of polyurethane encased stent**



**Figure 17: Flow Cell for Endothelial Cell Growth Studies**

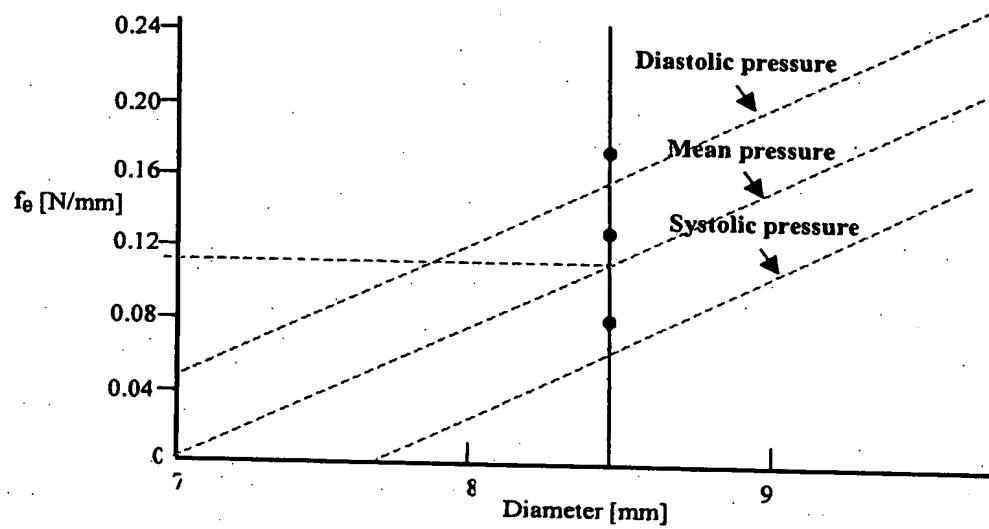


Fig.19

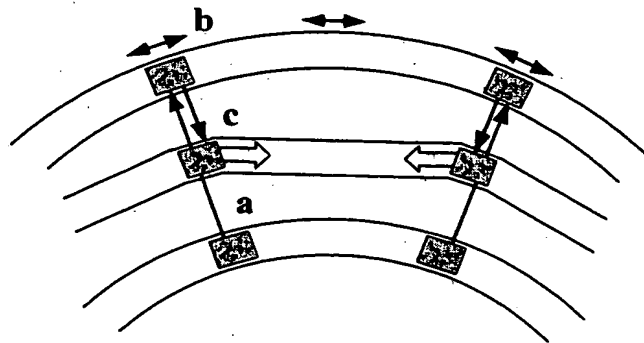
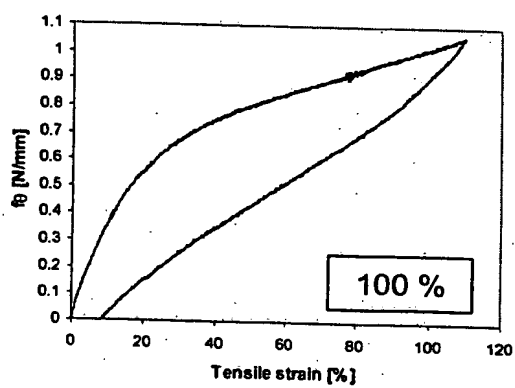
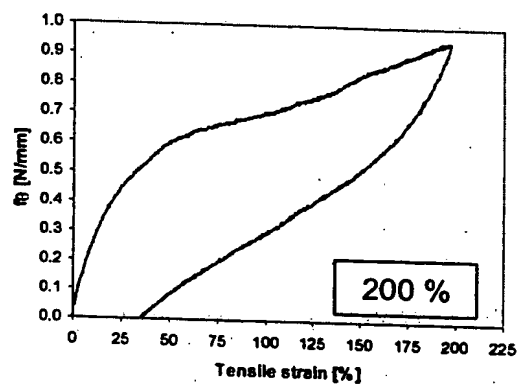


Fig. 18



**Fig. 20A**



**Fig. 20B**

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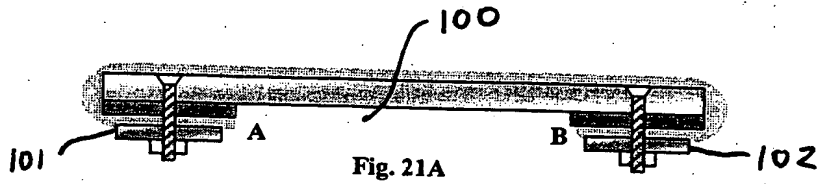


Fig. 21A

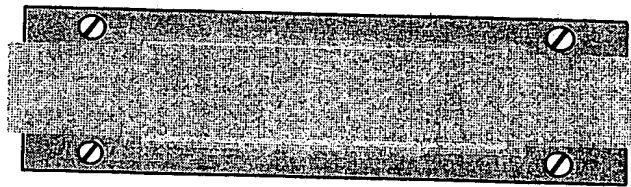


Fig. 21B

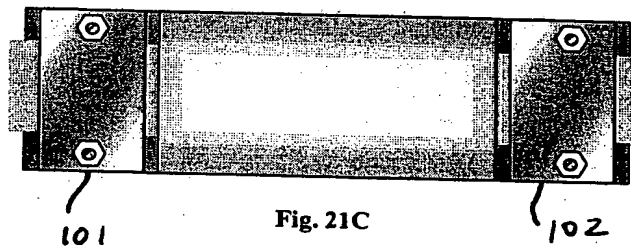


Fig. 21C

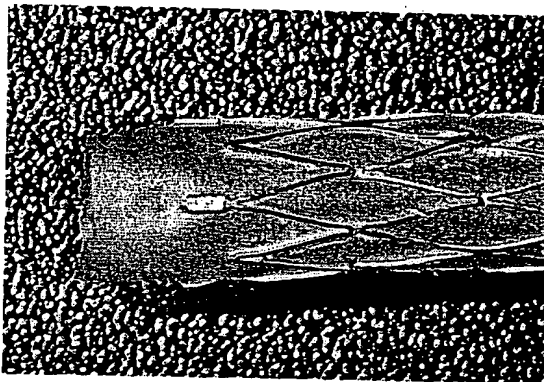


Fig. 25A

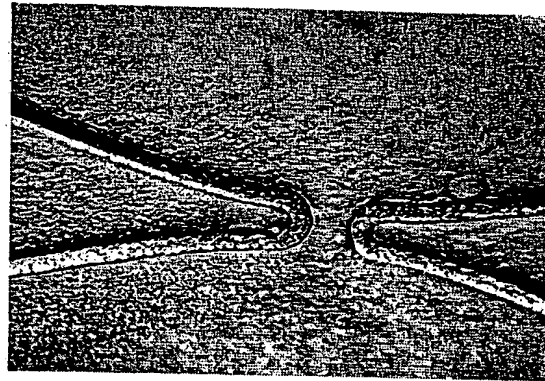


Fig. 25B

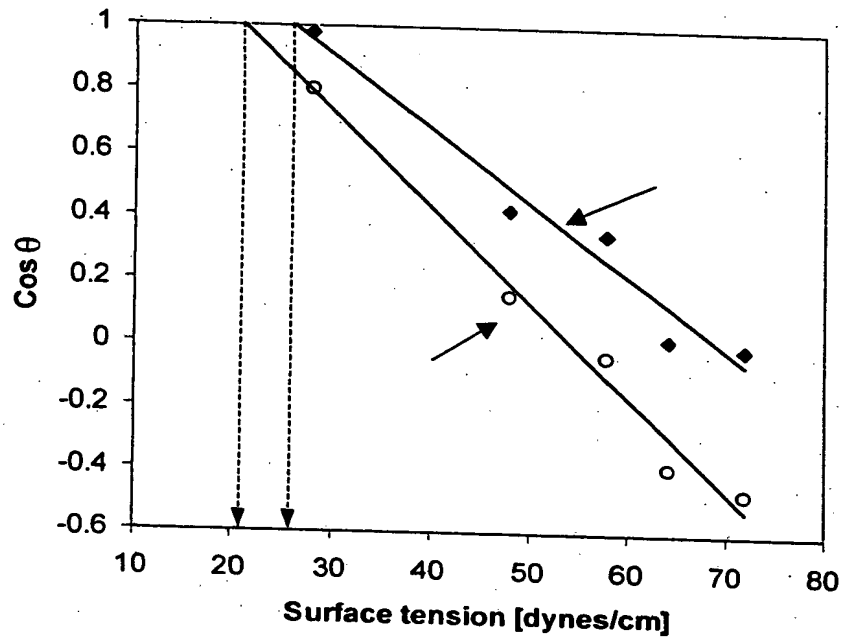


Fig. 22

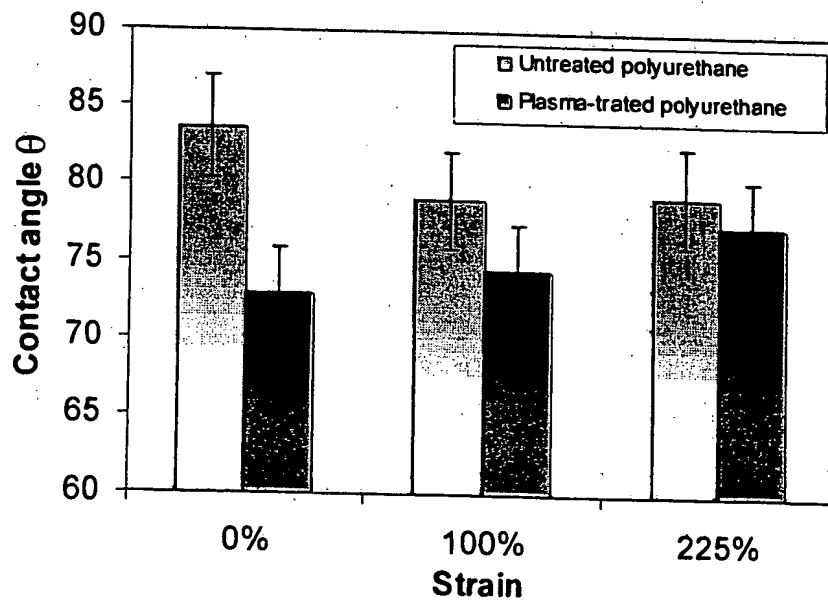


Fig. 23



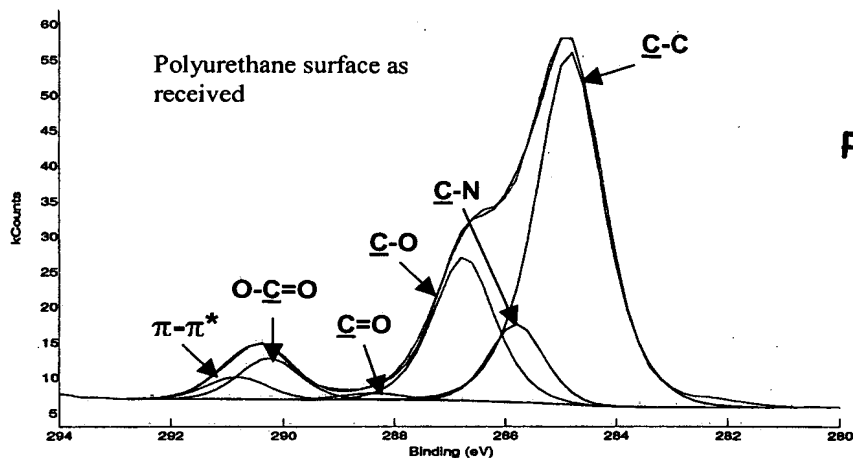


Fig. 24A

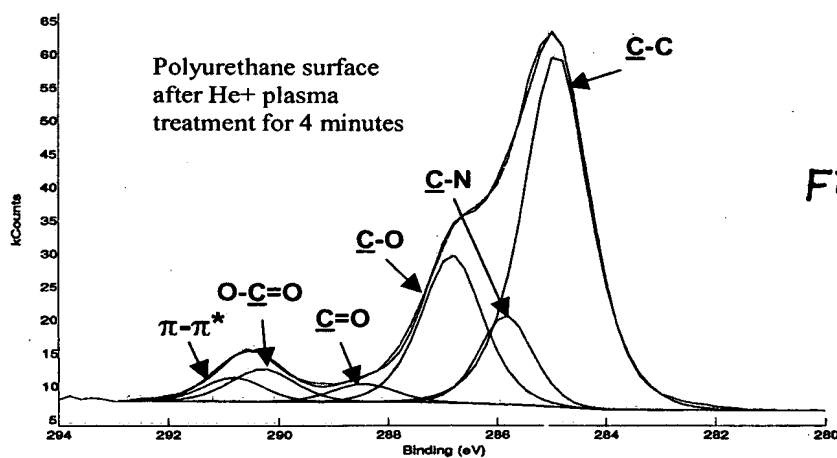


Fig. 24B

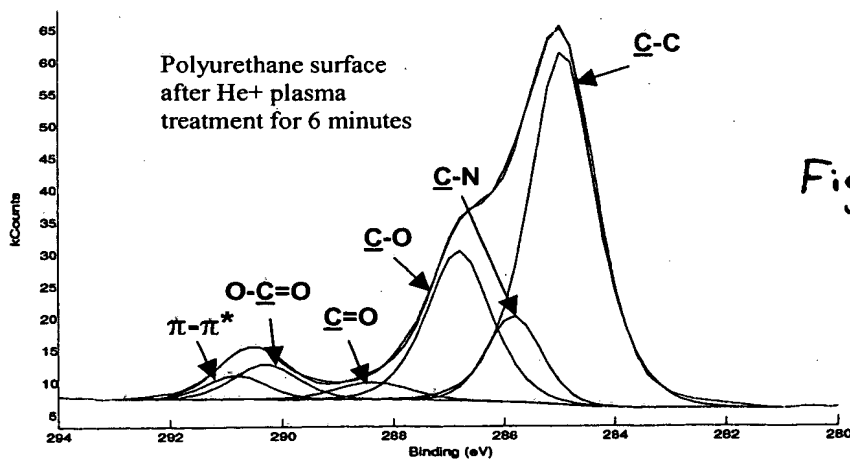


Fig. 24C

Functional group atomic concentration [%]

Fig. 26A

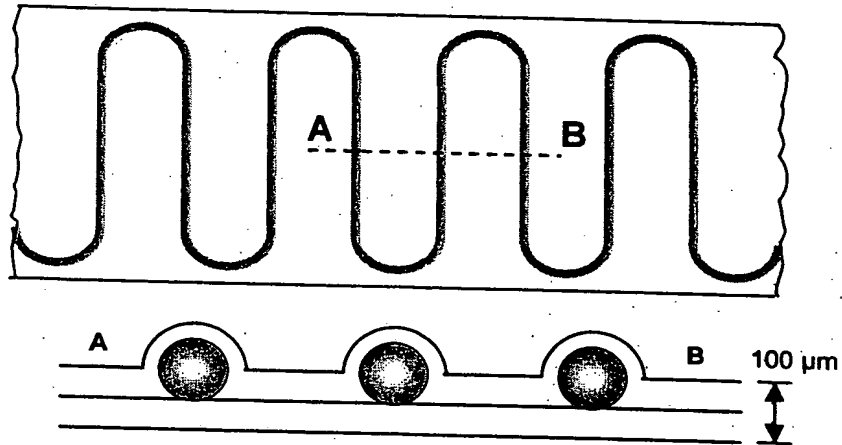


Fig. 26B

Fig. 27A

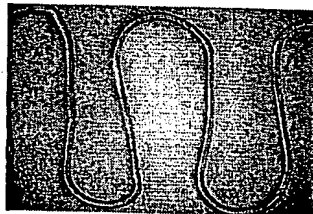


Fig. 27B

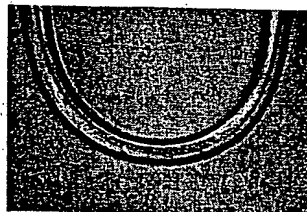


Fig. 27C

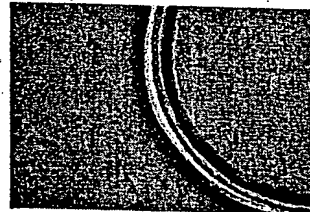
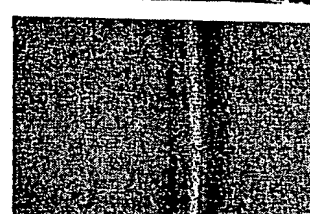


Fig. 27D

Fig. 27E



Fig. 27F



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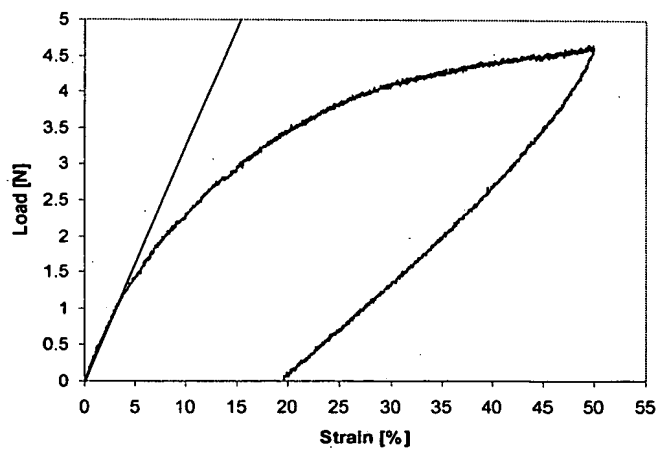
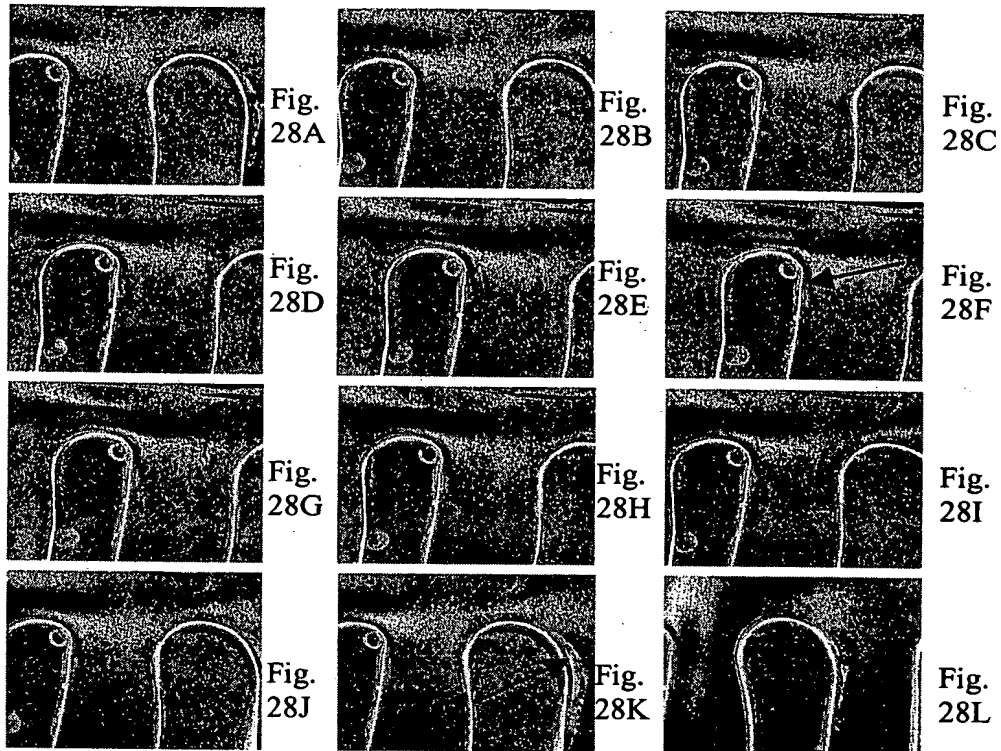


Fig. 29

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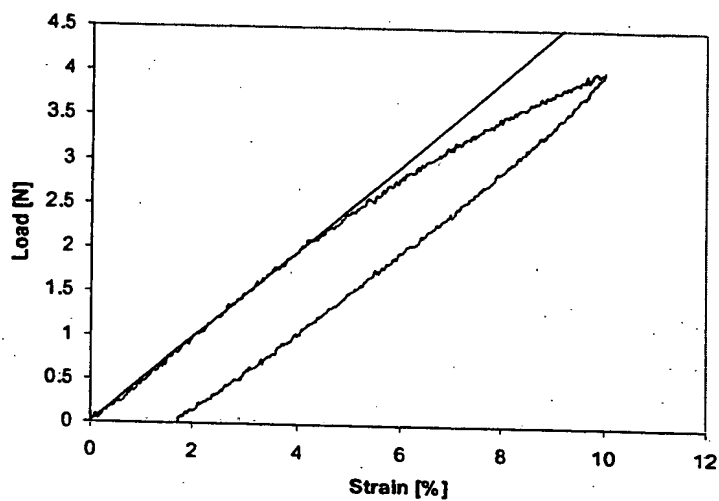


Fig. 30

Fig. 31A

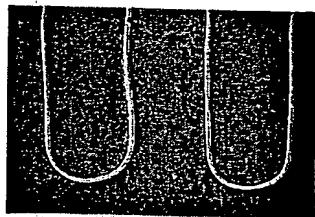


Fig. 31B

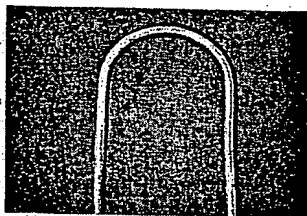


Fig. 31C

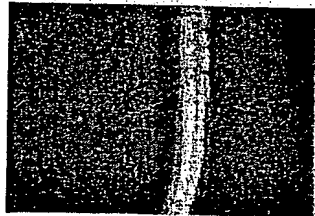
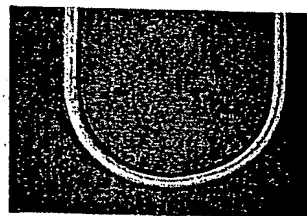


Fig. 31D

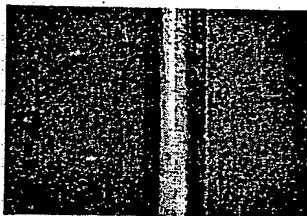


Fig. 31E

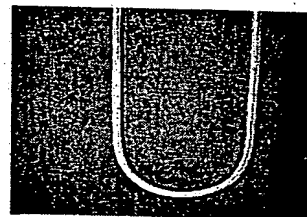


Fig. 31F

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Fig. 32A

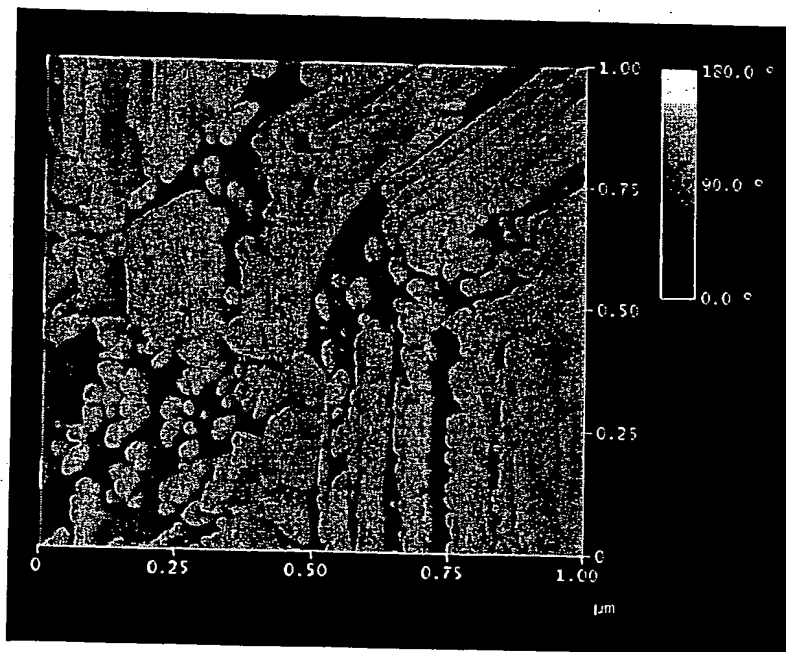
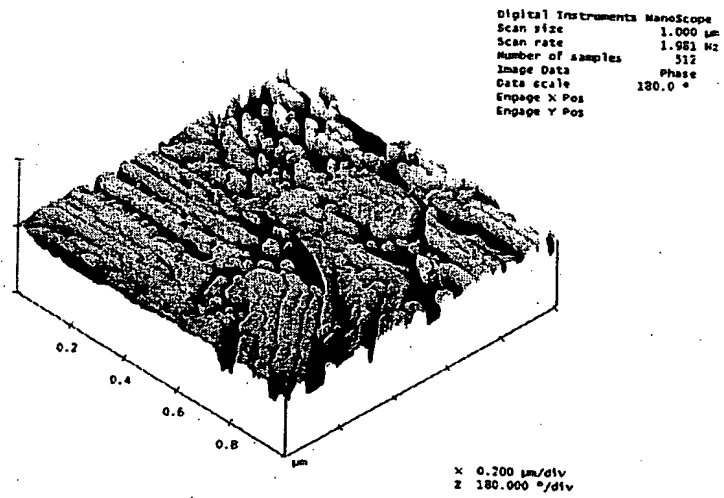


Fig. 32B

# BEST AVAILABLE COPY

Fig. 33A

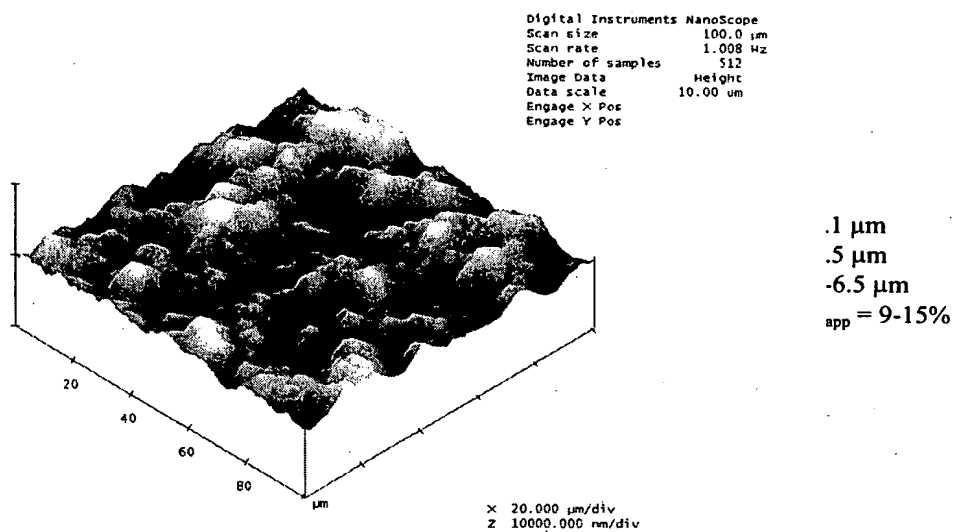
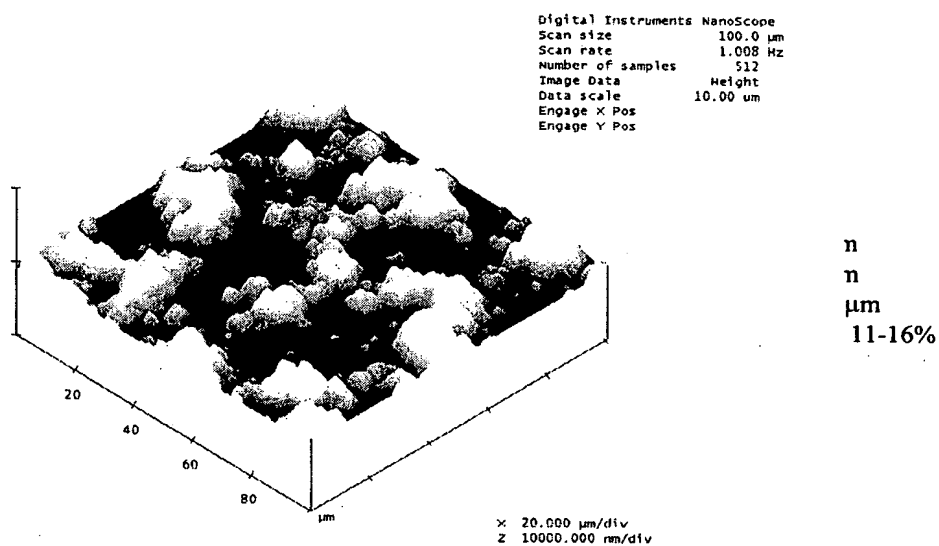


Fig.33B

BEST AVAILABLE COPY

Fig. 34A

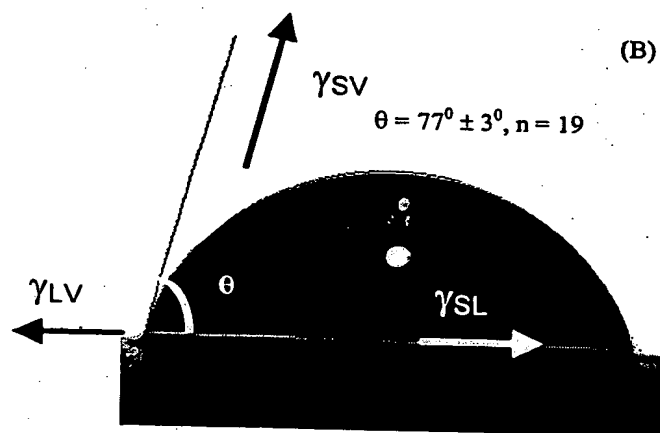
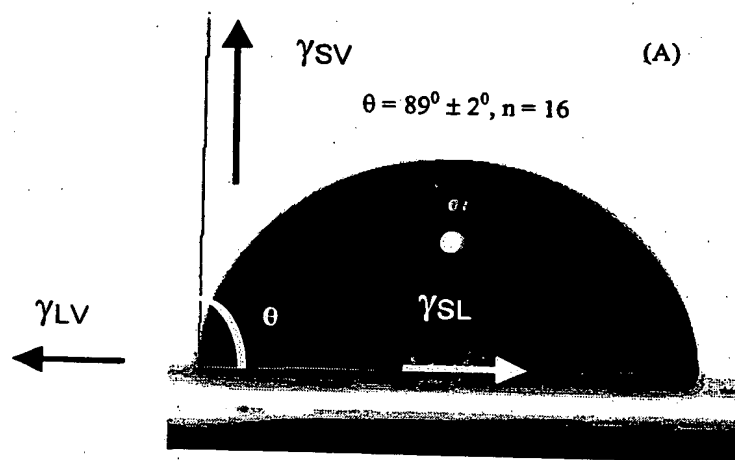


Fig. 34B

BEST AVAILABLE COPY

Fig. 35A

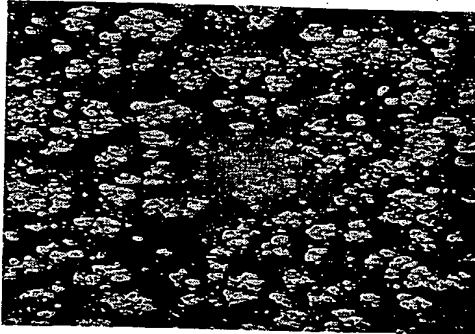
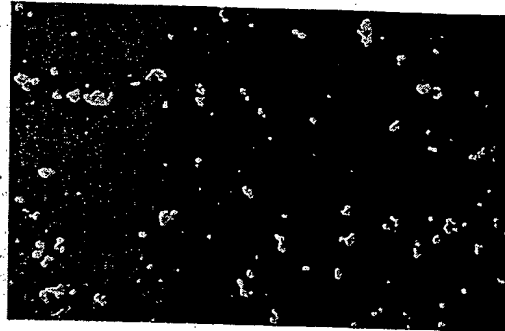


Fig. 35B





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Fig. 36A

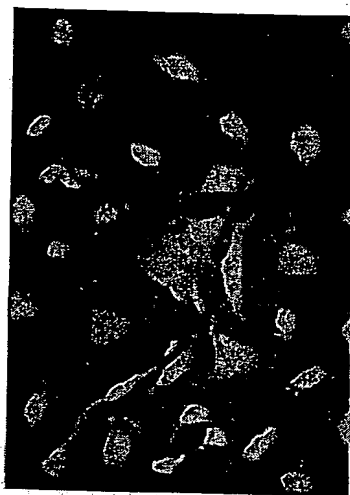


Fig. 36B

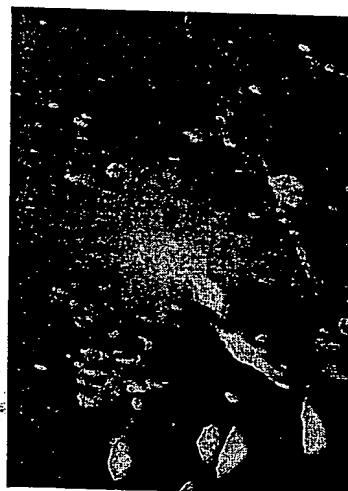


Fig. 36C

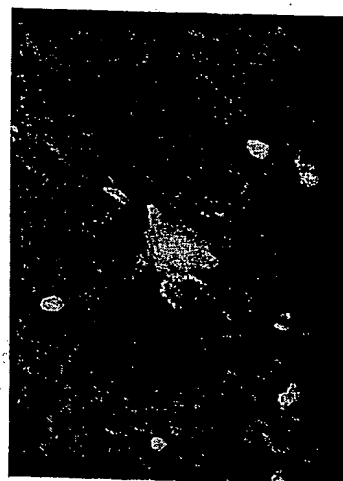
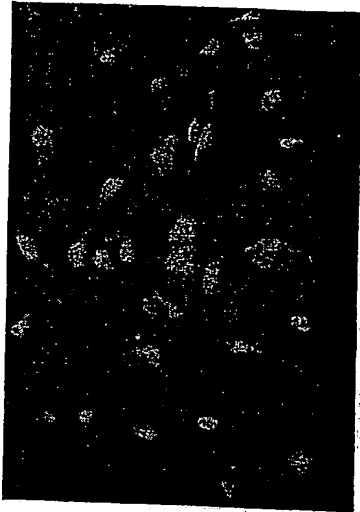
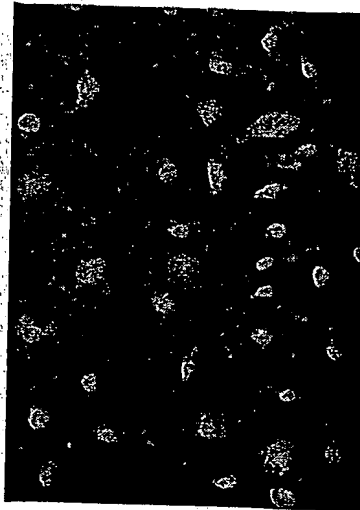


Fig. 36D

BEST AVAILABLE COPY



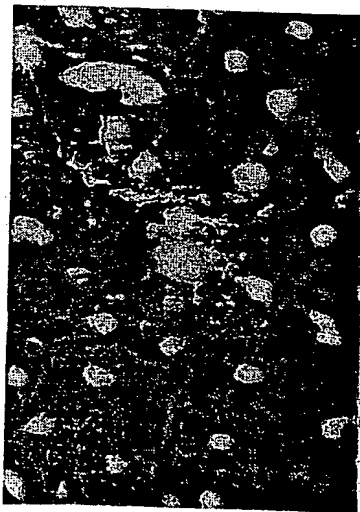
**Fig. 37A**



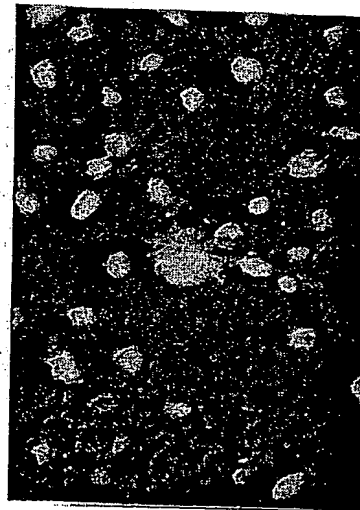
**Fig. 37B**



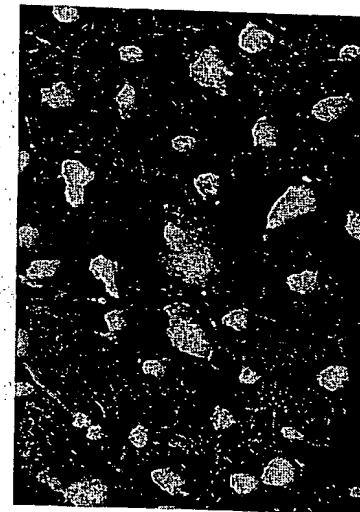
**Fig. 37C**



**Fig. 38A**

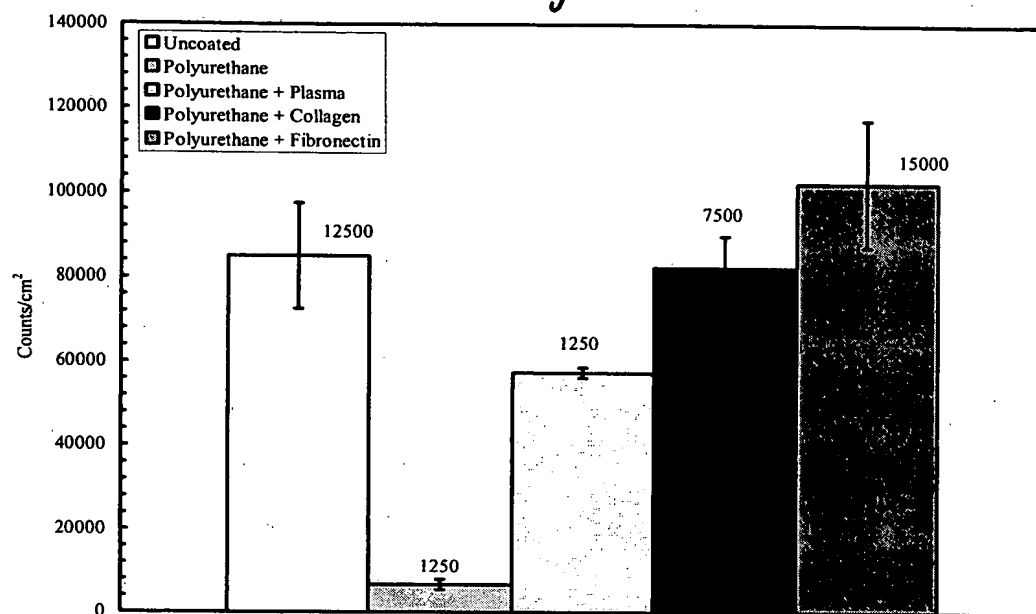


**Fig. 38B**

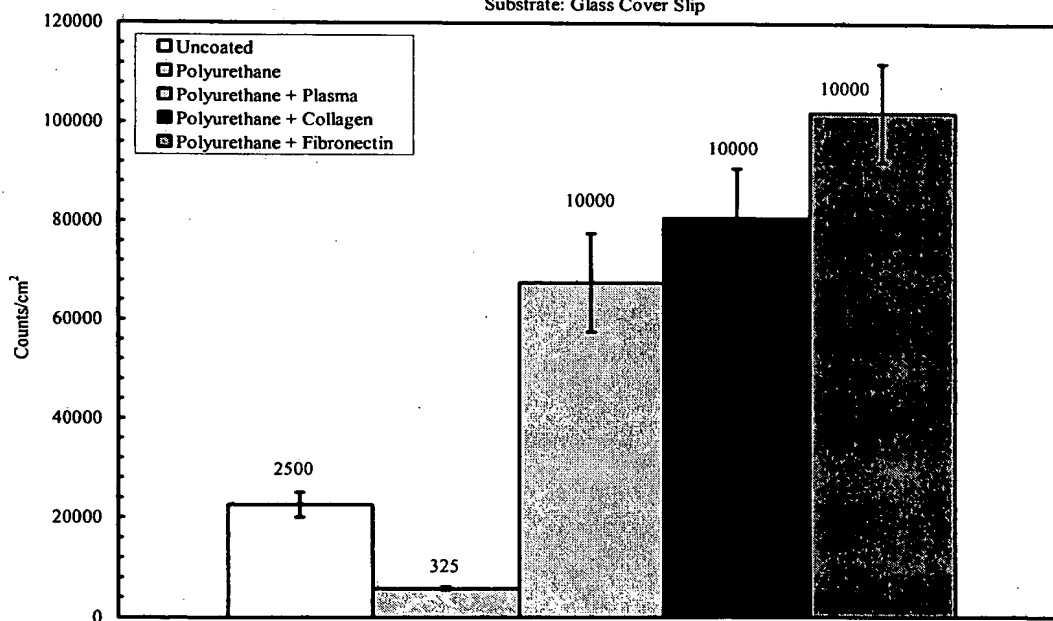


**Fig. 38C**

Fig. 39 A



Substrate: Glass Cover Slip



Substrate: 316L Stainless Steel

Fig. 39 B